

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS**

Please amend claim 1 as follows:

1. (Amended) [Implantable] An implantable heart stimulator [(2)]  
5 comprising an AV-interval generator [(14) adapted to generate] which  
generates a variable AV- interval and which is provided with a predetermined  
basic AV-interval, [c h a r a c t e r i z e d i n that the heart stimulator (2)  
further comprises] and a counter [(16)] that counts [the] a number of times  
10 the AV-interval is changed during a predetermined time period, [and where]  
said counter [(16) generates] generating and [applies] applying an output  
signal to said AV-[signal] interval generator [(14)] to cause said AV0-interval  
generator to change said basic AV-interval if said number of times is greater  
than a predetermined value.

Please amend claim 2 as follows:

- 15 2. (Amended) [Heart] A heart stimulator according to claim 1  
wherein said AV-interval generator changes [c h a r a c t e r i z e d i n that  
the change of] the basic AV-interval [is in the interval] by an amount in a  
range of -30 to 30 milliseconds.

Please amend claim 3 as follows:

- 20 3. (Amended) [Heart] A heart stimulator according to claim 2  
wherein said AV-interval generator changes [c h a r a c t e r i z e d i n that  
the change of] the basic AV-interval [is] by -20 ms or +20 ms.

Please amend claim 4 as follows:

- 25 4. (Amended) [Heart] A heart stimulator according to [any  
preceding] claim 1 wherein [c h a r a c t e r i z e d i n that] said  
predetermined value is in [the] a range 2-10.

Please amend claim 5 as follows:

- 30 5. (Amended) [Heart] A heart stimulator according to [any  
preceding] claim 1 wherein [c h a r a c t e r i z e d i n that] said  
predetermined time period is between 1 and 3 minutes.

Please amend claim 6 as follows:

- 5        6.        (Amended) [Heart] A heart stimulator according to [any preceding] claim 1 [c h a r a c t e r i z e d i n that said heart stimulator] further [comprises] comprising a control unit [(12)] provided with a fusion avoidance algorithm.

Please amend claim 7 as follows:

- 10       7.        (Amended) [Heart] A heart stimulator according to claim 6 wherein [c h a r a c t e r i z e d i n that] said fusion avoidance algorithm, when activated, makes the AV-interval generator [(14)] temporarily prolong the AV-interval.

Please amend claim 8 as follows:

- 15       8.        (Amended) [Heart] A heart stimulator according to [any preceding] claim 1 [c h a r a c t e r i z e d i n that said heart stimulator] further [comprises] comprising a control unit [(12)] provided with a stimulation threshold search algorithm.

Please amend claim 9 as follows:

- 20       9.        (Amended) [Heart] A heart stimulator according to claim 8 wherein [c h a r a c t e r i z e d i n that] said stimulation threshold search algorithm, when activated, makes the AV-interval generator [(14)] temporarily shorten the AV-interval.